

164.1
RAW SEQUENCE LISTING
PATENT APPLICATION US/09/579,933DATE: 09/27/2000
TIME: 03:16:06

INPUT SET: S35931.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

RECEIVED
OCT 20 2000
TECH CENTER 1800/2900

SEQUENCE LISTING

1
2
3 (1) General Information:
4
5 (i) APPLICANT: GOEDDEL, DAVID V.
6 ROTHE, MIKE
7
8 (ii) TITLE OF INVENTION: TRAF INHIBITORS
9
10 (iii) NUMBER OF SEQUENCES: 8
11
12 (iv) CORRESPONDENCE ADDRESS:
13 (A) ADDRESSEE: Genentech, Inc.
14 (B) STREET: 1 DNA Way
15 (C) CITY: South San Francisco
16 (D) STATE: California
17 (E) COUNTRY: USA
18 (F) ZIP: 94080
19
20 (v) COMPUTER READABLE FORM:
21 (A) MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
22 (B) COMPUTER: IBM PC compatible
23 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
24 (D) SOFTWARE: WinPatin (Genentech)
25
26 (vi) CURRENT APPLICATION DATA:
27 (A) APPLICATION NUMBER: 09/579,933
28 (B) FILING DATE:
29 (C) CLASSIFICATION:
30
31 (vii) PRIOR APPLICATION DATA:
32 (A) APPLICATION NUMBER: 09/020,467
33 (B) FILING DATE:
34
35 (viii) ATTORNEY/AGENT INFORMATION:
36 (A) NAME: Dreger, Ginger R.
37 (B) REGISTRATION NUMBER: 33,055
38 (C) REFERENCE/DOCKET NUMBER: P0960R1D1
39
40 (ix) TELECOMMUNICATION INFORMATION:
41 (A) TELEPHONE: 650/225-3216
42 (B) TELEFAX: 650/952-9881
43 (2) INFORMATION FOR SEQ ID NO:1:
44
45 (i) SEQUENCE CHARACTERISTICS:
46 (A) LENGTH: 413 amino acids

ENTERED

RAW SEQUENCE LISTING PATENT APPLICATION US/09/579,933

DATE: 09/27/2000
TIME: 03:16:06

INPUT SET: S35931.raw

RECEIVED
17 20 2000
TECH CENTER 1600/2900

```

47      (B) TYPE: Amino Acid
48      (D) TOPOLOGY: Linear
49
50      (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
51
52      Met Asp Lys Asn Ile Gly Glu Gln Leu Asn Arg Ala Tyr Glu Ala
53      1          5          10          15
54
55      Phe Arg Gln Ala Cys Met Asp Arg Asp Ser Ala Val Arg Glu Leu
56      20          25          30
57
58      Gln Gln Lys Thr Glu Asn Tyr Glu Gln Arg Ile Arg Glu Gln Gln
59      35          40          45
60
61      Glu Gln Leu Ser Phe Gln Gln Asn Leu Ile Asp Arg Leu Lys Ser
62      50          55          60
63
64      Gln Leu Leu Leu Val Asp Ser Ser Arg Asp Asn Ser Tyr Gly Tyr
65      65          70          75
66
67      Val Pro Leu Leu Glu Asp Ser Asp Arg Arg Lys Asn Asn Leu Thr
68      80          85          90
69
70      Leu Asp Glu Pro His Asp Lys Val Lys Leu Gly Thr Leu Arg Asp
71      95          100          105
72
73      Lys Gln Ser Lys Val Arg Arg Gln Glu Val Ser Ser Gly Lys Glu
74      110          115          120
75
76      Ser Ala Lys Gly Leu Asn Ile Pro Leu His His Glu Arg Asp Asn
77      125          130          135
78
79      Ile Glu Lys Thr Phe Trp Asp Leu Lys Glu Glu Phe His Arg Ile
80      140          145          150
81
82      Cys Leu Leu Ala Lys Ala Gln Lys Asp His Leu Ser Lys Leu Asn
83      155          160          165
84
85      Ile Pro Asp Ile Ala Thr Asp Thr Gln Cys Ser Val Pro Ile Gln
86      170          175          180
87
88      Cys Thr Asp Lys Thr Glu Lys Gln Glu Ala Leu Phe Lys Pro Gln
89      185          190          195
90
91      Ala Lys Asp Asp Ile Asn Arg Gly Met Ser Cys Val Thr Ala Val
92      200          205          210
93
94      Thr Pro Arg Gly Leu Gly Arg Asp Glu Glu Asp Thr Ser Phe Glu
95      215          220          225
96
97      Ser Leu Ser Lys Phe Asn Val Lys Phe Pro Pro Met Asp Asn Asp
98      230          235          240
99

```

RAW SEQUENCE LISTING

PATENT APPLICATION US/09/579,933

DATE: 09/27/2000
TIME: 03:16:06

INPUT SET: S35931.raw

```

100 Ser Ile Phe Leu His Ser Thr Pro Glu Ala Pro Ser Ile Leu Ala
101           245           250           255
102
103 Pro Ala Thr Pro Glu Thr Val Cys Gln Asp Arg Phe Asn Met Glu
104           260           265           270
105
106 Val Arg Asp Asn Pro Gly Asn Phe Val Lys Thr Glu Glu Thr Leu
107           275           280           285
108
109 Phe Glu Ile Gln Gly Ile Asp Pro Ile Thr Ser Ala Ile Gln Asn
110           290           295           300
111
112 Leu Lys Thr Thr Asp Lys Thr Asn Pro Ser Asn Leu Arg Ala Thr
113           305           310           315
114
115 Cys Leu Pro Ala Gly Asp His Asn Val Phe Tyr Val Asn Thr Phe
116           320           325           330
117
118 Pro Leu Gln Asp Pro Pro Asp Ala Pro Phe Pro Ser Leu Asp Ser
119           335           340           345
120
121 Pro Gly Lys Ala Val Arg Gly Pro Gln Gln Pro Phe Trp Lys Pro
122           350           355           360
123
124 Phe Leu Asn Gln Asp Thr Asp Leu Val Val Pro Ser Asp Ser Asp
125           365           370           375
126
127 Ser Glu Leu Leu Lys Pro Leu Val Cys Glu Phe Cys Gln Glu Leu
128           380           385           390
129
130 Phe Pro Pro Ser Ile Thr Ser Arg Gly Asp Phe Leu Arg His Leu
131           395           400           405
132
133 Asn Thr His Phe Asn Gly Glu Thr
134           410           413
135

```

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 1955 base pairs
- (B) TYPE: Nucleic Acid
- (C) STRANDEDNESS: Single
- (D) TOPOLOGY: Linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

```

147 CTGGAACGGA AAGCTACTTC CGGTTGCAGT CATTCTGCCG GGCACCGGCG 50
148
149 ACCTGTGGCG TGAGCGAGCA CAGCCGGAAC CCTCCACTAG CTGGCATTC 100
150
151 TACCATCCTT TATAGTGATG CTACAGGACA AAGAGGAATG GATAAAAACA 150
152

```

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/579,933DATE: 09/27/2000
TIME: 03:16:07

INPUT SET: S35931.raw

153 TTGGTGAGCA ACTCAATAGA GCATATGAAG CCTTCCGACA GGCATGCATG 200
154
155 GATAGAGATT CAGCAGTAAG AGAGCTACAG CAAAAGCAGA CTGAGAACTA 250
156
157 TGAACAAAGA ATACGCGAGC AACAGGAACA GCTGTCATTT CAACAAAACC 300
158
159 TAATTGACAG GCTGAAATCA CAGCTACTTC TCGTGGATTG TAGTCGAGAT 350
160
161 AACAGTTATG GCTATGTACC TTTGCTTGAA GACAGTGACA GAAGGAAGAA 400
162
163 TAATTTGACC CTTGATGAAC CACATGATAA AGTGAAACTA GGAACACTGA 450
164
165 GAGATAAGCA ATCAAAGGTG AGACGACAAG AAGTTTCTTC TGGAAAAGAA 500
166
167 TCCGCCAAGG GTCTCAACAT CCCTCTGCAT CACGAAAGGG ATAATATAGA 550
168
169 GAAGACTTTC TGGGACCTTA AAGAAGAATT TCATAGGATT TGCTTGCTAG 600
170
171 CAAAAGCACA GAAAGATCAC TTAAGCAAAC TTAATATACC AGATATTGCA 650
172
173 ACTGACACAC AGTGTTCTGT GCCTATACAG TGTACTGATA AAACAGAGAA 700
174
175 ACAAGAAGCG CTGTTTAAGC CCCAGGCTAA AGATGATATA AATAGAGGTA 750
176
177 TGTCGTGCGT CACAGCTGTC ACACCAAGAG GACTGGGCCG GGATGAGGAA 800
178
179 GATACCTCTT TTGAATCACT TTCTAAATTC AATGTCAAGT TTCCGCCTAT 850
180
181 GGACAATGAC TCTATTTTTT TACATAGCAC TCCAGAGGCC CCGAGCATCC 900
182
183 TTGCTCCTGC CACACCTGAG ACAGTGTGCC AGGACCGATT TAATATGGAA 950
184
185 GTCAGAGACA ACCCAGGAAA CTTTGTTAAA ACAGAAGAAA CTTTATTTGA 1000
186
187 AATTCAGGGA ATTGACCCCA TAACCTCAGC TATACAAAAC CTTAAAACAA 1050
188
189 CTGACAAAAC AAACCCCTCA AATCTTAGAG CGACGTGTTT GCCAGCTGGA 1100
190
191 GACCACAATG TGTTCTATGT AAATACGTTC CCACTTCAAG ACCCGCCTGA 1150
192
193 CGCACCTTTT CCCTCACTGG ATTCCCCAGG AAAGGCTGTC CGAGGACCAC 1200
194
195 AGCAGCCCTT TTGGAAGCCT TTTCTTAACC AAGACACTGA CTTAGTGGTA 1250
196
197 CCAAGTGATT CAGACTCAGA GCTCCTTAAA CCTCTAGTGT GTGAATTCTG 1300
198
199 TCAAGAGCTT TTCCCACCAT CCATTACATC CAGAGGGGAT TTCTCCGGC 1350
200
201 ATCTTAATAC ACACTTTAAT GGGGAGACTT AAATCACGTT TGAAAACAGA 1400
202
203 CATATCATGT TCTCTGTGGT GGTTTTGGAT TTGTAACGCT AGAGAACGCT 1450
204
205 TTCTCGTGAG CCAAATGTAA GATTGATTAT AAAGTTGTTA CTTTATCTTT 1500

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/579,933DATE: 09/27/2000
TIME: 03:16:07

INPUT SET: S35931.raw

206
207 TAAGAGATCA TTTTGTATAG AACTATAACT CATTATATTA TTCATGTTTA 1550
208
209 TACCTATAAT TTCTACATTT CAAAATTACA CATGTGACTT ACAGAGTTAT 1600
210
211 TCAGTCATAA TTTATGTTTC AAATAGCTAA GTTTATTGTT TGACTATTGT 1650
212
213 GAGATCTATT AAATTTAGTA ATAGCAAATG TTTATAGGAT ATTCAAATTT 1700
214
215 CATTTGAATT TTTAATTATT TTTGCTACAG GTAATATTCC TTTAAAATAC 1750
216
217 GTATATAACG TACAGAGAAT AACAGACAAT ATGATCTAAG TAAATGTCGA 1800
218
219 ATCAATCATT AGTTGCCCAG GGAAATTTAA ACATTATAGA TCATTTTTAA 1850
220
221 ATAATACACA TAGTTTTAAT TTTTACTGTG TGTATAGATG CATGATTAAA 1900
222
223 TGACTTAAAT ATTAAAAGTG ACTTACGTCG TGCTTATTAA AAAAAAAAAA 1950
224

225 AAAAA 1955

226

227 (2) INFORMATION FOR SEQ ID NO:3:

228

229 (i) SEQUENCE CHARACTERISTICS:

230 (A) LENGTH: 34 amino acids

231 (B) TYPE: Amino Acid

232 (D) TOPOLOGY: Linear

233

234 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

235

236 Met Ser Leu Lys Arg His Ser Leu Arg Arg Asn Ala Cys His Leu

237 1 5 10 15

238

239 Glu Thr Arg Ala Gly Ile Pro Thr Ile Leu Tyr Ser Asp Ala Thr

240 20 25 30

241

242 Gly Gln Arg Gly

243 34

244

245 (2) INFORMATION FOR SEQ ID NO:4:

246

247 (i) SEQUENCE CHARACTERISTICS:

248 (A) LENGTH: 170 base pairs

249 (B) TYPE: Nucleic Acid

250 (C) STRANDEDNESS: Single

251 (D) TOPOLOGY: Linear

252

253 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

254

255

256 CCCACGCGTC CGGTTTGGGC AGCATCTGTA GAGCCTGTGC AAACGGCTTC 50

257

258 CAGAATGGGT ACGTGCCTAT GTCTTTAAAG AGACATAGTC TGCGAAGGAA 100

PAGE: 1

SEQUENCE VERIFICATION REPORT
PATENT APPLICATION US/09/579,933

DATE: 09/27/2000
TIME: 03:16:08

INPUT SET: S35931.raw

Line

Error

Original Text

PAGE: 1

SEQUENCE MISSING ITEM REPORT
PATENT APPLICATION US/09/579,933

DATE: 09/27/2000
TIME: 03:16:08

INPUT SET: S35931.raw

< < THERE ARE NO ITEMS MISSING > >

PAGE: 1

SEQUENCE CORRECTION REPORT
PATENT APPLICATION US/09/579,933

DATE: 09/27/2000
TIME: 03:16:08

INPUT SET: S35931.raw

Line

Original Text

Corrected Text